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## HDFury Vertex2

# HDFury 4K Vertex<sup>2</sup> 18Gbps User Manual

Model: Vertex2

Brand: HDFury

## PRODUCT OVERVIEW

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The HDFury 4K Vertex<sup>2</sup> 18Gbps is a versatile 4K HDR Splitter, HDMI/eARC Audio Extractor, and Auto-Switcher designed for advanced audio-visual setups. It supports four input sources and offers comprehensive control via Safari/Chrome web interface. This device is engineered to manage and optimize HDMI signals, providing solutions for HDCP conversion, scaling, and audio extraction.



Figure 1: HDFury 4K Vertex² 18Gbps device with its retail packaging.

## KEY FEATURES

- **Connectivity:** 4 HDMI Inputs, 3 HDMI Outputs, 1 RJ45 port, 2 IR ports, 1 RS232 port, 1 Analog Jack, and Optical Out.
- **Upscaling (TX0):** Capable of upscaling Full HD (1080p & 2K) content to Ultra HD (2160p & 4K/DCI).
- **Downscaling (TX1):** Capable of downscaling Ultra HD/HDR (2160p & 4K/DCI) content to Full HD/HDR (1080p & 2K).
- **Full Audio Extraction:** Extracts full HDMI/ARC/eARC audio via a 720p/1080p self-generated stream to feed any Audio/Video Receiver (AVR) input.
- **HDCP Conversion:** Supports conversion from any HDCP version to any other HDCP version, including CST1 support.

## WHAT'S IN THE BOX



- **HDCP Management:** The Vertex<sup>2</sup> can convert HDCP versions to ensure compatibility between sources and displays, resolving common HDCP handshake issues.

## MAINTENANCE

Regular maintenance ensures optimal performance of your Vertex<sup>2</sup> device. Keep the unit in a well-ventilated area to prevent overheating. Periodically check for and apply firmware updates to benefit from new features and bug fixes.

### Firmware Update

Firmware updates are performed via the web interface. Download the latest firmware file from the official HDFury website. Access the device's web interface, navigate to the 'Config' tab, and use the 'FW Update' section to upload the new firmware file. The device will reboot automatically after a successful update.

### Factory Reset

If you encounter persistent issues or wish to revert all settings to their default state, you can perform a factory reset. Access the web interface, go to the 'Config' tab, and locate the 'RESET TO FACTORY DEFAULTS' section. Type "RESET" into the provided field and click the 'RESET' button. The device will reboot and restore factory settings.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No signal on display.	Incorrect input/output selection, HDCP incompatibility, faulty cables, power issue.	<ul style="list-style-type: none"> <li>◦ Verify all HDMI cables are securely connected.</li> <li>◦ Ensure the correct input is selected on the Vertex<sup>2</sup> and the correct input is selected on your display.</li> <li>◦ Check HDCP settings in the web interface; try different HDCP modes.</li> <li>◦ Power cycle all connected devices, including the Vertex<sup>2</sup>.</li> </ul>
No audio or distorted audio.	Incorrect audio settings, cable issues, AVR compatibility.	<ul style="list-style-type: none"> <li>◦ Verify audio output settings on the Vertex<sup>2</sup> web interface.</li> <li>◦ Ensure audio cables (optical, analog) are correctly connected to your AVR.</li> <li>◦ Check the audio format compatibility between your source, Vertex<sup>2</sup>, and AVR.</li> <li>◦ Some AVRs may require specific setup for eARC/ARC.</li> </ul>

Problem	Possible Cause	Solution
Device not accessible via web interface.	Network configuration issue, incorrect IP address.	<ul style="list-style-type: none"> <li>◦ Ensure the Vertex<sup>2</sup> is properly connected to your network.</li> <li>◦ Verify the IP address of the Vertex<sup>2</sup> (check your router's connected devices list).</li> <li>◦ Try setting a static IP address for the Vertex<sup>2</sup> if DHCP is causing issues.</li> <li>◦ Reboot the Vertex<sup>2</sup> unit.</li> </ul>

## SPECIFICATIONS

Feature	Detail
Product Dimensions	7.3 x 4.5 x 0.9 inches
Item Weight	1.15 pounds
Model Number	Vertex2
Brand	HDFury
Color	Black
Connector Type	HDMI, RJ45
Compatible Devices	Projector, Laptop, Gaming Console, Monitor, Television, Tablet
Date First Available	March 6, 2019

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HDFury website or contact their customer service directly. Keep your proof of purchase for warranty claims.